

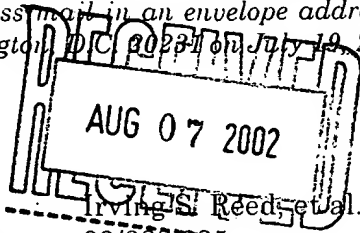


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Clara Magallón  
Clara Magallón

Applicant : Irving S. Reed, et al.  
Application No. : 09/883,835  
Filed : June 18, 2001  
Title : SELF-SYNCHRONIZING ADAPTIVE MULTISTAGE  
RECEIVER FOR WIRELESS COMMUNICATION  
SYSTEMS  
Grp./Div. : 2631  
Examiner : Not yet assigned  
Docket No. : 42121/RRT/R535

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INFORMATION DISCLOSURE STATEMENT AND  
CERTIFICATION UNDER § 1.97(e)(1)

Assistant Commissioner for Patents  
Washington, D.C. 20231

Post Office Box 7068  
Pasadena, CA 91109-7068  
July 19, 2002

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B with a listing of references that are known to applicants. Copies of each of the listed references are enclosed.

It is respectfully requested that these references be considered in the examination of this application and identified on the list of references cited on the patent issuing on this application. Applicants also request that an initialed copy of said FORM PTO/SB/08A/B be entered in the application file and returned to applicants with the next communication from the Office in accordance with MPEP § 609.

Applicants' undersigned attorney hereby certifies, in accordance with 37 CFR § 1.97(e)(1), that each item of information contained in the information disclosure statement was first cited

Application No.09/883,835

in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By



Raymond R. Tabandeh

Reg. No. 43,945

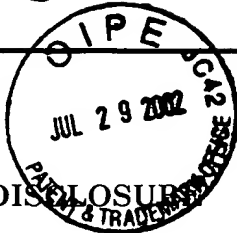
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Enclosures: PTO/SB/08A/B, w/references (3)

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FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Attorney Docket Number	42121/RRT/R535
Application Number	09/883,835
Filing Date	June 18, 2001
Applicant(s)	Irving S. Reed, et al.
Group Art Unit	2631
Examiner Name	Not yet assigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - kind code <sup>2</sup> (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE

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**FOREIGN PATENT DOCUMENTS**

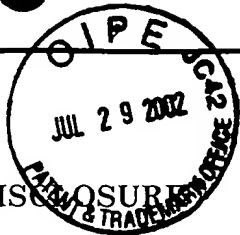
EXAMINER INITIALS	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)

**OTHER DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		GOLDSTEIN, J. Scott, et al.; "A New Method of Wiener Filtering and its Application to Interference Mitigation for Communications"; Annual Military Communications Conference; March, 1997; pages 1087-1091; Vol. 3, XP-000792586; IEEE; U.S.A.
		MYRICK, Wilbur L., et al.; "Anti-Jam Space-Time Preprocessor for GPS Based on Multistage Nested Wiener Filter"; Military Communications Conference Proceedings; 1999; pages 675-681; XP010369639; IEEE; U.S.A.

EXAMINER SIGNATURE	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

FORM PTO/SB/08A/B (10-01)  
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		STRÖM, Erik G., et al.; "Propagation Delay Estimation in Asynchronous Direct-Sequence Code-Division Multiple Access Systems"; IEEE Transactions on Communications; January, 1996; pages 84-93; Vol. 44, No. 1, XP000549645; IEEE; U.S.A.

EXAMINER SIGNATURE		DATE CONSIDERED	
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